

Dominion Energy South Carolina, Inc.
Environmental Services
400 Otarre Parkway, Cayce, SC 29033
Mailing Address:
220 Operation Way, MC C221, Cayce SC 29033



October 22, 2019

Mr. McKenzie Mallary
Remedial Project Manager
U.S. EPA
61 Forsyth Street SW
Atlanta, GA 30303-3104

**RE: 3rd Quarter 2019 Progress Report
Calhoun Park Area Site**

Dear Mr. Mallary:

Please find enclosed the 3rd Quarter 2019 Progress Report for the Calhoun Park Area Site (CPA site) for activities related to both OU #1 and OU #2.

Major activities for this quarterly reporting period included:

- Submitting the Thirty-Fifth DNAPL Removal Report;
- Submitting the OU #1 Shallow Groundwater Monitoring Report for the April 2019 event;
- Transporting 18 drums of recovered DNAPL to Tradebe Environmental Services for recycling;
- Coordinating with EPA regarding the five-year review;
- Continuing with the DNAPL monitoring/removal program; and
- Continuing work on other CPA site commitments as detailed herein.

If you have any questions or need additional information, please call me at 803-217-9871.

Sincerely,

A handwritten signature in blue ink that reads "Paul Biery".

Paul Biery

cc: J. Padget (SCDHEC)
T. Effinger, R. Contrael (DESC)
W. Zeli (Apex)



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3RD QUARTER 2019 PROGRESS REPORT

CALHOUN PARK AREA SITE ACTIVITIES CHARLESTON, SOUTH CAROLINA DOMINION ENERGY SOUTH CAROLINA, INC.

A. ACTIVITIES WITHIN THE QUARTER

The following activities were completed or continued during July through September 2019:

- Completed coordination with EPA regarding the five-year review;
- Completed the OU #1 Shallow Groundwater Monitoring Results Report;
- Completed the Thirty-Fifth DNAPL Removal Report;
- Transported 18 drums of recovered DNAPL to Tradebe Environmental Services for recycling;
- Continued DNAPL monitoring and removal from various shallow and intermediate monitoring points; and
- Continued agency communication / correspondence and submittals in accordance with the Unilateral Administrative Order (UAO).

B. DATA SUBMITTAL

The OU #1 Shallow Groundwater Monitoring Results – April 2019 Event report and the Thirty-Fifth DNAPL Report were submitted to EPA and SCDHEC during this reporting period.

C. SCHEDULE

The project is being completed in general accordance with associated schedule requirements. Ongoing site activities associated with the point source removal of DNAPL in select monitoring and DRW wells were continued during this reporting period.

D. COMMUNICATIONS

July 3, 2019 – W. Zeli (Apex) submitted the Monthly Discharge Report for June 2019 to J. Walker (CWS).

July 10, 2019 – P. Biery (DESC) submitted the Monthly Progress Report for June 2019 to M. Mallary (US EPA).

August 6, 2019 – W. Zeli (Apex) submitted the Monthly Discharge Report for July 2019 to J. Walker (CWS).

August 15, 2019 – U.S. EPA finalized the Third Five-Year Review Report for the CPA site.

August 16, 2019 – W. Zeli submitted a Request for Well Abandonment Approval for nine intermediate groundwater monitoring wells to M. Mallary (U.S. EPA) and J. Padgett (SCDHEC).

August 16, 2019 – W. Zeli submitted a request for approval to remove Well MM-14C from the annual intermediate groundwater sampling program to M. Mallary (U.S. EPA) and J. Padgett (SCDHEC).

August 22, 2019 – J. Padgett (SCDHEC) approved abandonment of nine intermediate zone monitoring wells.

September 4, 2019 – W. Zeli (Apex) submitted the Monthly Discharge Report for August 2019 to J. Walker (CWS).

September 6, 2019 – J. Padgett (SCDHEC) approved removal of well MM-14C from the intermediate groundwater sampling program.

September 13, 2019 – W. Zeli (Apex) submitted the Thirty-Fifth DNAPL Removal Report to M. Mallary (U.S. EPA).

September 19, 2019 – W. Zeli (Apex) submitted the OU #1 Shallow Groundwater Monitoring Results – April 2019 Event report to M. Mallary (U.S. EPA).

E. DIFFICULTIES ENCOUNTERED

There were no difficulties encountered during this reporting period.

F. CORRECTIVE ACTION

There were no corrective actions required during this reporting period.

G. PROJECT PERSONNEL

There have been no changes to project personnel during this reporting period.

H. REPORTS SUBMITTED TO EPA

The OU #1 Shallow Groundwater Monitoring Results – April 2019 Event report and the Thirty-Fifth DNAPL Removal Report were submitted to EPA and SCDHEC during this reporting period.

I. PROJECTED ACTIVITIES

DESC will:

- Continue with site-wide DNAPL recovery tasks at various points in both the shallow and intermediate groundwater zones, including arrangements for DNAPL recycling;

- Conduct the annual intermediate groundwater monitoring event;
- Abandon the intermediate zone wells approved for abandonment by SCDHEC;
- Follow-up on the Five-Year Review Report, including plans for a technical impracticability demonstration;
- Continue monthly reporting to CWS for potential groundwater discharges;
- Anticipate receipt of SCDHEC/EPA approval or comments regarding the OU #1 Shallow Groundwater Monitoring Report for the April 2019 Event and Thirty-Fifth DNAPL Removal Report.
- Provide on-site support activities for various electrical equipment upgrade projects in and around the substation, as needed; and
- Perform groundwater monitoring well maintenance activities, as needed.

J. DNAPL MONITORING / REMOVAL PROGRAM

A total of approximately 638 gallons of DNAPL were removed from 32 recovery locations during this reporting period, as summarized on Table 1. Recovery locations during the quarter are identified on Figure 1.

TABLE 1

**CUMULATIVE SUMMARY OF DNAPL REMOVED BASED ON DRUM MEASUREMENTS
JULY THROUGH SEPTEMBER 2019**

**DESC Calhoun Park Area Site
Charleston, South Carolina**

Well	JULY 2019												AUGUST 2019																	SEPTEMBER 2019										Total Volume Removed - 3rd Quarter 2019 (gallons)
	8	9	10	11	12	15	16	17	18	29	30	31	1	2	5	6	7	8	19	20	21	22	23	26	27	28	29	9	10	11	12	13	16	17	18	19	30			
DRW-06	Pumped Intermittently																														509.17									
DRW-08			1.00	1.00	1.00		1.00	0.50				1.00	0.75			0.75	1.00	0.75			1.25	0.75			1.00	0.75				1.00	1.00				1.00	0.50		16.00		
DRW-12		1.00					0.25				1.00				0.50					1.25				0.75					1.00				0.50					6.25		
DRW-13			0.75					0.50				1.00									1.00				0.25					1.00				0.75				5.25		
DRW-14					0.25									0.50								1.00										0.75					2.50			
DRW-15				0.75									0.75									1.25									1.00						3.75			
DRW-16									0.75																			0.75									1.50			
DRW-17															0.25																						0.25			
DRW-18															0.25																						0.25			
DRW-19				1.00									1.25									1.25									1.50						5.00			
DRW-21	3.50					1.50				4.25					1.75				4.50				2.25					5.00				2.50				4.25	29.50			
DRW-22															0.75										1.00												1.75			
DRW-24														0.50													0.25						0.25				1.00			
DRW-25									0.75																		0.75										1.50			
DRW-26																	0.75																				0.75			
DRW-28																	1.50																1.00				2.50			
DRW-30				0.25																																	0.25			
DRW-32					0.50									1.00								1.00										1.00					3.50			
DRW-33			1.50									1.50									1.25									1.25							5.50			
DRW-34							0.75								1.50										1.50							1.50					5.25			
DRW-35		0.75						1.00					2.25									2.50									2.50						9.00			
DRW-37																							0.75														0.75			
DRW-38					0.50																																0.50			
DRW-39															0.75																						0.75			
DRW-41																		1.00																			1.00			
DRW-42		1.50				1.25					1.50				1.00					1.75				0.75					2.00				1.25				11.00			
DRW-47				0.25																																	0.25			
DRW-48								1.75									2.00									2.50								2.25			8.50			
DRW-51																																0.25					0.25			
CM-03A							0.25																			0.15											0.40			
MM-11A						0.50																															0.50			
MM-02B					0.50				0.25					0.50				0.50					0.50				0.50					0.50			0.50		3.75			
Total Volume Removed (gallons)	3.50	3.25	3.25	3.25	2.75	3.25	2.25	3.75	1.75	4.25	2.50	3.50	5.00	2.50	3.25	4.25	5.25	2.25	4.50	3.00	3.50	5.75	2.50	4.50	3.75	3.65	2.00	5.00	3.00	3.25	6.00	2.25	4.25	3.25	3.75	1.00	4.25	638.07		

